XX

the attached specification or

CHECK APPROPRIATE BOX:

XX

no earlier-filed foreign applications.

application is attached hereto and made a part hereof:

1

# DECLARATION AND POWER OF ATTORNEY Original Application

As below named inventor, I declare that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in this Declaration, that the information given herein is true, that I believe that I am the original, first and joint inventor of the invention entitled:

# DIAGNOSTIC USE OF POLYMORPHISM IN THE GENE CODING FOR TNF RECEPTOR II AND METHOD FOR DETECTING NON-RESPONDERS TO ANTI-TNF THERAPY

	the specification	in application Ser	ial No. 09/	_ filed (date)	_ and
that I a	acknowledge my	duty to disclose in	formation in acco	rdance with 37 C.F.	R.
Sectio	n 1.56 and define	ed on the attached	l sheet, which is n	naterial to the exam	ination of
this ap	oplication, that I de	o not know and do	not believe the s	ame was ever know	vn or
used i	n the United State	es of America befo	ore my or our inve	ention thereof or pate	ented or
descri	bed in any printed	d publication in an	y country before r	my or our invention t	thereof,
or mo	re than one year <mark>r</mark>	orior to this applica	ation, that the inve	ention has not been	patented
or ma	de the subject of	an inventor's certi	ficate issued befo	re the date of this a	pplication
in any	country foreign to	the United State	s of America on a	n application filed b	y me or
my leg	gal representative	s or assigns more	than twelve mon	ths prior to this appl	ication
and th	at as to application	ons for patent or ir	nventor's certificat	e filed by me or my	legal
repres	entatives or assiç	gns in any country	foreign to the Un	ited States of Ameri	ica, the
earlies	st filed foreign app	olication(s) filed w	ithin twelve month	ns prior to the filing o	date of
this ap	oplication and all f	foreign applicatior	s filed more than	twelve months prior	r to the
filing o	date of this applica	ation, if any, are id	dentified below.		

Required information as to foreign applications filed prior to the filing date of this

#### **POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

NAME REGISTRATION NO.

James J. Murphy

Kelly K. Kordzik, 36,571

Ross Spencer Garsson 38,150

Barry S. Newberger 41,527

SEND CORRESPONDENCE TO:

WINSTEAD SECHREST & MINICK

5401 Renaissance Tower

1201 Elm

Dallas, Texas 75270

**DIRECT TELEPHONE CALLS TO:** 

James J. Murphy, Esq.

(214) 745-5374

Fax: (214) 745-5390

Winstead Sechrest & Minick, P.C.'s customer number is 23-2426.

34,503

(201) FULL NAME OF INVENTOR	LAST NAME Schreiber	FIRST NAME Stefan	MIDDLE NAME
RESIDENCE & CITIZENSHIP	сіту Kiel	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
Post OFFICE ADDRESS	POST OFFICE ADDRESS Moltke Strasse 77	D-24105 Kiel	STATE OR COUNTRY Germany
(202) FULL NAME OF INVENTOR	LAST NAME Hampe	FIRST NAME Jochen	MIDDLE NAME
RESIDENCE & CITIZENSHIP	сіту Berlin	STATE OR FOREIGN COUNTRY Germany	country of citizenship Germany
Post OFFICE ADDRESS	POST OFFICE ADDRESS Heidekampweb 4	CITY D-12437 Berlin	STATE OR COUNTRY Germany
(203) FULL NAME OF INVENTOR	LAST NAME Mascheretti	FIRST NAME Silvia	MIDDLE NAME

# Attorney Docket No. 25481- P001US

#### PATENT APPLICATION

RESIDENCE & CITIZENSHIP	CITY Kiel	STATE OR FOREIGN COUNTRY Germany	country of citizenship Italy			
POST OFFICE ADDRESS	POST OFFICE ADDRESS Stern Strasse 9	D-24103 Kiel	STATE OR COUNTRY Germany	ZIP CODE		

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name (201) Stefan Schreiber	Signature	Date
Name (202) Jochen Hampe	Signature	Date
Name (203) Silvia Mascheretti	Signature	Date

::ODMA\PCDOCS\Dallas\_1\3502887\1

Office, or

# Section 1.56 Duty to Disclose Information Material to Patentability

- A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by Sections 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applications to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record of being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
    - (2) It refutes, or is inconsistent with, a position the application takes in:
      - (i) opposing an argument of unpatentability relied on by the
      - (ii) Asserting an argument of patentability.

A prima facie case of patentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any considerations given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- © Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent or inventor.

::ODMA\PCDOCS\Dallas\_1\3502887\1 233:25481- P001US

	Attorney Docket Number	25481-P001US		
DECLARATION FOR UTILITY OR DESIGN	First Named Inventor	Schreiber		
PATENT APPLICATION	COMPLETE IF KNOWN			
(37 CFR 1.63)	Application Number			
Declaration Declaration	Filing Date			
Submitted OR Submitted after Initial	Group Art Unit			
with Initial Filling (surcharge (37 CFR 1.16 (e)) required)	Examiner Name			

<del></del>	required)				
As a below named inventor, I he	reby declare that:				
My residence, mailing address, an	d citizenship are as stat	ted below next to my nam	ne.		
I believe I am the original, first and names are listed below) of the sub					
Diagnostic Use of polymorphisms in the Gene Coding for the TNF Receptor II and Method for Detecting Non-Responders to Anti-TNF Therapy					
<u> </u>	(Title of t	he Invention)			
the specification of which	(1,000)	,			
is attached hereto					
OR was filed on (MM/DD/YYYY)		as United SI	ates Application I	Number or PCT International	
was nied on (MIM/DD/1111)			ates Application	Number of 1 O7 International	
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Application Number	and was a	amended on (MM/DD/YY	m	(if applicable).	
I hereby state that I have reviewed amended by any amendment spec			ified specification	n, including the claims, as	
I acknowledge the duty to disclose in-part applications, material infom PCT international filing date of the	nation which became as	ailable between the filing			
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.					
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO	
00114786.7	Europe	07/10/2000			
Additional foreign and Section	aumban an listad an	augustal priority de	to about BTO/SP	(02R attached bareta)	
Additional foreign application	numbers are listed on a	i supplemental priority da	ta sneet PTO/SB	/UZB attached hereto:	

PTO/SB/01 (03-01)

Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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# **DECLARATION** — Utility or Design Patent Application

Direct all correspondence to: Customer or Bar Co		OR	Correspondence address below
James J. Murphy WINSTEAD SECHREST & MIN Name	ICK P.C.		
P.O. Box 50784 1201 Main Street Address			
City Dallas		State Texas	<b>ZIP</b> 75250-0784
Country	Telephone	(214) 745-5374	Fax (214) 745-5390
I hereby declare that all statements made herein are believed to be true; and further that these st made are punishable by fine or imprisonment, or validity of the application or any patent issued there	atements were made w both, under 18 U.S.C.	ith the knowledge that willful	false statements and the like on
NAME OF SOLE OR FIRST INVENTOR	: A petition	has been filed for this u	nsigned inventor
Given Name Stefan (first and middle [if any])		Family Name Schreibe or Surname	nsigned inventor
Inventor's Signature			Date
Kiel Residence: City	State	Country DE	Citizenship
Moltkestrasse 77  Mailing Address			
City D-24105 Kiel	State	ZIP	Germany Country
NAME OF SECOND INVENTOR:	A petition ha	as been filed for this uns	igned inventor
Given Name Jochen (first and middle [if any])		Family Name Hampe or Surname	P. P.
Inventor's			Date
Berlin Residence: City	State	Country	Citizenship
Mailing Address Heidekampweg 4			
D-12437 Berlin City	State	ZIP	Germany Country
Additional inventors are being named on the _		<del> </del>	<del></del>

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## **DECLARATION**

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page \_1\_ of \_1\_

Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor				
Giv	en Name (first and middle [if an	y])		Family Name or Surname				
Silvia						Ma	sche	retti
Inventor's Signature								Date
Residence: City	Kiel	Sta	ıte		Country	Germany	· ]	Citizenship
Mailing Address	Sternstrasse 9		·		<del></del>			
Mailing Address		·			~			
City	D-24103 Kiel	Sta	ate		ZIP		ountr	y Germany
Name of Addit	tional Joint Inventor, if a	ny:			A petition h	as been filed	for thi	s unsigned inventor
Giv	en Name (first and middle (if any	y])		$\Box$		Family Nam	e or S	umame
Inventor's Signature								Date
Residence: City		St	ate	Country Citizenship			Citizenship	
Mailing Address								
Mailing Address								
City		St	ate		ZIP		Cou	ntry
Name of Addi	tional Joint Inventor, if a				petition ha	is been filed f	or this	unsigned inventor
Give	en Name (first and middle [if any	])		Family Name or Surname				or Surname
	••-							
Inventor's Signature								Date
Residence: City		Sta	te		Country			Citizenship
Mailing Address								
Mailing Address					·			
City		244	<b>.</b>		710			

Burden Hour Statement. This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time, you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED. FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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POWER OF A	· · · · · · · · · · · · · · · · · · ·	Title		Diagno	stic U	se of F	Polymorphi
AUTHORIZATION	ON OF AGENT	Group Art Uni	t				
		Examiner Nan	ne				
		Attorney Doci	et Number	25481-	P001l	JS	
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Kelly K. Ko			36,5				
	cer Garsson		38,1				
Barry Newb	erger			38,286			
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Firm or Individual Name	James J. Murphy						
Address	ddress Winstead Sechrest & Minick P.C.						
Address	P.O. Box 50784, 1201	Main Street					
City	Dallas	s	tate Texas	3	Zip	7525	0-0784
Country	United States of Americ						
Telephone	(214) 745-5374	F	ax (214)	745-539	0	1000	
I am the:	-						

ram me:

Date

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name Stefan Schreiber

Signature

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☑ \*Total of \_\_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time, you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SIGN DATE

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	Application Number	
	Filing Date	
	First Named Inventor	Stefan Schreiber
POWER OF ATTORNEY OR	Title	Diagnostic Use of Polymorphi
AUTHORIZATION OF AGENT	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	25481-P001US

I hereby appo	oint:							
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OR	ners at c	Zustomer Number			-	imber i bel hei		
	ner(s) na	med below:			L			
		Name		Reg	istration	Numbe	er	
James J. Murphy				34,503				
Kelly K. Kordzik				36,571				
Ross Spencer Garsson				38,150				
Bar	Barry Newberger			38,286				
		agent(s) to prosecute the app States Patent and Trademark (				to tran	sact all	
Please change the correspondence address for the above-identified application to:  The above-mentioned Customer Number.  Place Customer Number Bar Code Label here								
OR								
Firm or Individual Na	ame	James J. Murphy						
Address	Winstead Sechrest & Minick P.C.							
Address		P.O. Box 50784, 1201 Mai	in Street					
City		Dallas	Stat	e Texa	ıs	Zip	75250-0	784
Country		United States of America						
Telephone		(214) 745-5374	Fax	ax (214) 745-5390				
	e of reco	or. ord of the entire interest. See 3 37 CFR 3.73(b) is enclosed. (		B/96).				
		SIGNATURE of Applicant of	or Assignee o	Record				
Name	Joche	en Hampe						
Signature					<del>.</del>			PLE
Date								
NOTE: Signatures of all forms if more than one s	the inven-	tors or assignees of record of the enti s required, see below*.	ire interest or the	eir represe	entative(s) a	re requ	ired. Submit	multiple
✓ *Total of		ms are submitted.						

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	Application Number			
	Filing Date			
DOMED OF ATTODUCY OF	First Named Inventor	Stefan Schreiber		
POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Title	Diagnostic Use of Polymorphi		
	Group Art Unit			
	Examiner Name			
	Attorney Docket Number	25481-P001US		

I hereby appoint:					7
Practitioners at Custo	omer Number	<b>]</b> →	Place Cus Number E Label her	Bar Code	
✔ Practitioner(s) named	below:				
	Name		tion Numbe	er	
James J. Murph		34,503			
Kelly K. Kordzik Ross Spencer G		36,571			
Barry Newberge		38,150			
as my/our attorney(s) or age	nt(s) to prosecute the application ide s Patent and Trademark Office conr	38,286 entified above, a nected therewith	and to trans	sact all	
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	214) 745-5374 F	<sub>ax</sub> (214) 745	-5390		
I am the:  Applicant/Inventor.  Assignee of record of Statement under 37 C	the entire interest. See 37 CFR 3.7° CFR 3.73(b) is enclosed. (Form PTO	1. /SB/96).			
5	SIGNATURE of Applicant or Assignee	of Record			
Name Silvia Maso	cheretti		-		
Signature				A.E.	ASE
Date					CK I
The infinite diamone squature is requi	assignees of record of the entire interest or ired, see below*.	their representative	e(s) are requir	red. Submit multiple	

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time, you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Washington, DC 20231.

# 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Schreiber, et al. Filing date: July , 2001

Art Unit: Examiner:

not yet assigned not yet assigned

Title:

DIAGNOSTIC USE OF POLYMORPHISMS IN THE GENE CODING

FOR THE TNF RECEPTOR II AND METHOD FOR DETECTING

NON-RESPONDERS TO ANTI-THE THERAPY

Assistant Commissioner for Patents Washington, DC 20231

Dear Sir:

### **DESIGNATION OF DOMESTIC REPRESENTATIVE**

I, Stefan SCHRIEBER, Jochen HAMPE, and Silvia MASCHERETTI, inventors of the above-captioned patent application, does hereby appoint James J. Murphy, Kelly K. Kordzik, Ross S. Garsson and Barry Newberger, all of the firm of WINSTEAD SECHREST & MINICK P.C. to be its domestic representative on whom may be served notices or process in proceedings affecting this application and any subsequent issued patent.

Please address all correspondence to:

James J. Murphy
Winstead Sechrest & Minick P.C.
P.O. Box 50784
1201 Main Street
Dallas, Texas 75250-0784
(214) 745-5374

Respectfully submitted,

Dated:	By:Stefan Schreiber
Dated:	By: Jochen Hampe
Dated: 3503345.1 25481- P001US	By:Silvia Mascheretti